

marie-helene grillet

De: Magnus.Sundstrom@Sjofartsverket.se
Envoyé: mardi 26 juin 2018 19:59
À: Michael Card
Cc: Fredrik.Karlsson@Sjofartsverket.se; ulf.siwe@sjofartsverket.se;
 Ove.Eriksson@Sjofartsverket.se
Objet: Sea Traffic Management and IALA

Dear Michael,

Thanks for a very nice and fruitful meeting we had in Korea and sorry for this late reply. I thought I had already replied to you, but apparently not done so. Sorry for that and I hope the information below reach you in due time.

We are very happy that you supports STM and want to contribute to bring the STM concept to reality and integrate it into IALA's work programme. We have noted that the VTS and ARM committees are the most relevant committees for STM, but also that the e-Nav committee will also be important to attend and contribute to.

IALA support to the standardization work of STM

We agree with you that the work on standardization of RTZ as a S-421 standard and standardization of Voyage Information Service are done as soon as possible. We would really appreciate your support in speeding up this process. Below you find a status report on the standardization work.

The route Exchange Format (rtz) is as you know standardized by IEC and were mainly developed for intra-ship communication e.g. between bridge equipment from different manufacturers. In the STM validation project we have made quite some efforts in taking this format from being a standard to actual implementation in systems from leading manufacturers of navigational equipment. I would say this kind of project is essential to overcome the step of system integration if full compability and interoperability is to be achieved.

With this in mind the STM consortium is very interested also in the development of S-421 which is actually intended for ship-shore communication and therefore fully aligned with STM intentions. Except from the industry partners already being part of the IEC WG 17, responsible for the standard proposal work, two representatives from SMA and STM has also joined the working group and attends their first meeting in Seattle during week 23.

The S-421 is still very much a draft and before being ready for final standard there are some work ahead and if typical IEC process is followed this will likely take up to two more years of work. As a large share of the industry has already invested a lot of resources and commitment into taking rtz into use there is a fear that some of this effort will be of no use if the new standard is diverging too much or not taking the lessons learned into account. Although too early for us to say as we have not been involved in the WG that long it also seems like most of the industry representatives are not very active. This could mean a major risk in acceptance and implementation of the standard as the WG convenor is not actually representing the industry as such but is from the academic world.

When it comes to the Voyage Information Service (VIS) that is the standardized API and handles exchange of voyage plans this is a product of the STM Validation Project that have been developed, tested and also implemented in live systems. If we want to reach full interoperability and machine-machine communication this kind of information service/API is a must. Therefore our ambition is to make also this service a standard. This could be a support not only for exchange of Voyage Plans but also as a more generic service to support also other data formats, e.g. other products from the S-100 framework. To our knowledge no API:s/information services has yet been standardized so this is virgin land and it should also fit very well with the HGDM work in progress.

After discussions with CIRM and others, it seems like IEC is the natural body also for this standardization work and according to Hannu Peipponen it is likely that also this is a task for WG 17 as they deal with all HGDM related matters in IEC.

Current status of VIS standardization is that we have gathered input on several workshops within the STM partnership and with this as a input we are just about (likely this week) to finalise a document for internal review.

After this we will send this as a work item proposal to IEC. If we could have IALAs support in this future standards work it would be more than welcome.

STM in IALA Work Programme

We will study the IALA Work Programme carefully to look if we can propose any amendment that can support STM and we will come back to you with our proposal.

STM in IALA:s VTS Guidelines

We agree that it is of utmost importance that STM will be integrated in IALA's VTS guidelines. We also share your proposal that the VTS Committee starts up a working group for this. We have also understood that the decision of starting up a working group is within the competence and capacity of the Chairman of the Committee, in this case Monica Sundklev. We will have a meeting with Monica in mid-July to discuss this. It would be appreciated if you also could talk to her about this, so that she feels the support from you of starting up such a working group.

STM Developers Forum

As we mentioned, it is of great importance to gather the stakeholders; both the industry and the users. Within the STM projects, we do that within the framework of the Developers' Forum. We discussed how to inform IALA on the results of the Developers' Forum. One way is to have report from the Developer' Forum on the Agenda of the ARM and VTS Committees. The "formal recognition" of Developers' Forum would be beneficial. Information from Developers' Forum is publicly available on the STM website. We will also try to put together a short paper on this and send it to you. We will contact ARM and VTS Committee Chairmen to discuss the issue on report to the Committees.

STM presentation at next IALA Council meeting in December

We are of course very positive to your proposal to make a presentation on STM at the next Council meeting. Let's discuss after the summer the details of the presentation and if it could be a 15 min presentation in plenum or a presentation with discussion during the lunch (the latter would allow longer time slot)

Please return if I have misinterpreted something from our discussion, or if you have any further proposals for supporting STM within IALA.

Again, thanks for your support and understanding.

Best regards,

Magnus

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